



BRINGS NATURE IN

# Polycoolite



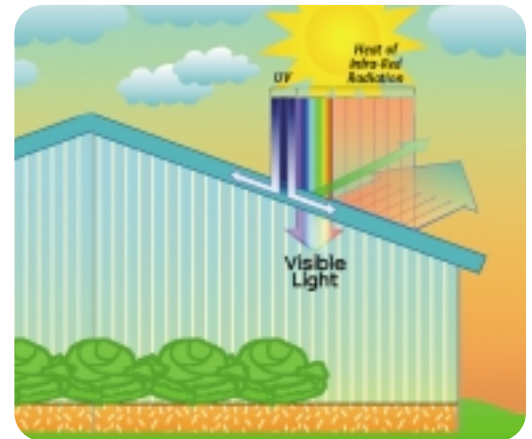


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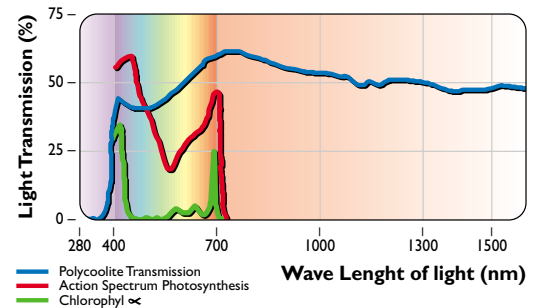
Polycoolite® is specifically designed to supply plants natural solar light needs for photosynthesis. It blocks the UV, supplies high blue and red and reflects heat from the unused green. It reflects undesirable excess heat from the Infrared Range.

POLYCOOLITE® proven advantages:

- Most of light transmitted is on blue and red wavelength.
  - Reduces excess heat while letting in high photosynthetic light quality and quantity.
  - Eliminates or greatly reduces the need for shading by reducing plant stress, excessive heat gain and light intensity.
  - The pigments do not change over time and provide total diffusion to create a very low stress environment for plants and people.
  - The low intensity radiation greatly reduces water needs, growth regulator use and associated labor costs.
  - Great for Retail/Grower situations - this product creates "Retail and Worker Heaven".
  - The light quality is especially suited for all plants that generally grow in low stress environments, such as bedding plants, tropicals and propagation other than for field transplants.
  - Compared to Opal or white coverings, Polycoolite® cools more and has a much higher light quality and quantity.
  - Polygal's advanced anti-fog coating provides the most effective, long-term protection against condensation drip damage. Less drop formation allows better light transmission reduces disease and other damage from dripping.
- Anti-fog coating covered by a 10-year warranty.



**Polycoolite Spectral Performance**



## Specifications:

| Sheet Thickness | Standard Width          | Area Weight (lb/ft <sup>2</sup> ) | Light Transmission (ASTM D1003) | Minimum Radius for Cold Bending | U-Value (Winter Night) Btu/(h•ft <sup>2</sup> •°F) | Solar Reflection | Shading Coefficient SC | Solar Heat Gain Coefficient |
|-----------------|-------------------------|-----------------------------------|---------------------------------|---------------------------------|--|------------------|------------------------|-----------------------------|
| 5/16" (8mm)     | 48", 72" (1.22m, 1.83m) | 0.33                              | 50%                             | 4'7" (1.4m)                     | 0.6  | 0.295            | 0.65                   | 0.56                        |

Polycoolite's Spectrum is the Greatest Development in Roofing Material Since the 1972 Invention of IR Film. Ask for a sample of Polycoolite® and "feel the difference".

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